

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (cancelled)

2. (currently amended) The saw blade according to claim [[1]] 13, wherein said cutting edge of each of said plurality of inserts includes an interface between said first edge surface and said second angled edge surface which is closer to one [[a]] side of said annular body than a second side wherein the interface of adjacent ones of said plurality of inserts are closer to alternate sides of the annular body.

3. (currently amended) The saw blade according to claim [[1]] 13, wherein said inserts are formed from carbide.

4. (original) The saw blade according to claim 3, wherein said carbide inserts include approximately 8.6 percent TiC, 12 percent TaNbc, and 9.5 percent Co.

5. (currently amended) The saw blade according to claim [[1]] 13, wherein said cutting edge of said inserts include a back angle of between 5° and 15°.

6. (original) The saw blade according to claim 5, wherein said back angle is approximately 10°.

7. (cancelled)

8. (currently amended) The insert according to claim [[7]] 14, wherein said body portion is made from carbide.

9. (original) The insert according to claim 8, wherein said body portion includes approximately 8.6 percent TiC, 12 percent TaNbC, and 9.5 percent Co.

10. (currently amended) The insert according to claim [[7]] 14, wherein said cutting edge includes a back angle of between 5° and 15°.

11. (original) The insert according to claim 10, wherein said back angle is approximately 10°.

12. (currently amended) The insert according to claim [[7]] 14, wherein said second angled edge surface extends at approximately 110° from said second side.

13. (new) A circular saw blade, comprising:

an annular body constructed of a first material having a perimeter with a plurality of shoulders formed into said perimeter; and

a first plurality of inserts each affixed to a respective one of said shoulders, said inserts formed of a second material, said inserts each including first and second sides facing in generally opposite directions from one another and a cutting edge defined along a leading face, said cutting edge extending from said first side to said second side, each said cutting edge including a first edge surface generally parallel to an axis of rotation of the annular body and extending to a first end of said cutting edge and terminating at said first side, and including a second angled edge surface between 10° and 30° offset from parallel to an axis of rotation of the annular body and extending to a second end of said cutting edge and terminating at said second side.

14. (new) An insert for a saw blade comprising:

a body portion defining a leading face having a cutting edge, a first and second side, and a bottom edge, said cutting edge defined by a first edge surface extending generally perpendicular from and terminating at said first side of said body and a second angled edge surface intersecting said first edge surface and extending from said second side of said body portion at an angle of between 100° and 120° relative to said second side, said first edge surface of said cutting edge extending along a majority of said cutting edge.

15. (new) The circular saw blade of claim 13, further comprising a second plurality of inserts each affixed to a respective one of said shoulders, said second plurality of inserts each including first and second sides facing in generally opposite directions from one another and a cutting edge defined along a leading face, said cutting edge extending from said first side to said second side, each said cutting edge including a first edge surface generally parallel to an axis of rotation of the annular body and extending to a first end of said cutting edge and terminating at said second side, and including a second angled edge surface between 10° and 30° offset from parallel to an axis of rotation of the annular body and extending to a second end of said cutting edge and terminating at said first side, said annular body having first and second sides, said first side of each of said first and second plurality of inserts generally located on said first side of said annular body.

16. (new) The circular saw blade of claim 15, wherein said first and second plurality of inserts are located on alternating shoulders of said annular body.

17. (new) The circular saw blade of claim 13, wherein said first edge surface has a greater axial extent than said second edge surface.

18. (new) The insert of claim 14, wherein said entire first side is generally disposed in a single plane.